COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration	is	of	the	following	type:
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[X] original
 [] divisional
 [] continuation
 [] continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

PATTERN GENERATION METHOD AND APPARATUS USING CACHED CELLS OF HIERARCHICAL DATA

SPECIFICATION IDENTIFICATION

The specification of	which:
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[X]	is attached hereto	, under Serial No. (unknown), executed on
[]	was filed oneven date herewith; or	(as Serial No. not yet known)
	[] Express Mail Noand was amended onin I	(if applicable)
[]	was described and claimed in I	PCT International Application No and as amended under PCT Article 19 on

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

[X] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

claimed	l .					
	[X]	No such	applications have been f	ïled.		
	[]	Such app	olications have been filed	l as follows:		
A.	Prior applic	foreign/PC cation, and	T application(s) filed any priority claims un	within 12 mos der 35 U.S.C. §11	. (6 mos. for 9	design) prior to this
Coun	stern / DC	TT:	Application No	Date File	<u>.d</u>	Priority Claimed
Coun	ntry/PC	<u>. 1</u>				[] Yes [] No [] Yes [] No [] Yes [] No
В.	All fo	oreign app application	lication(s), if any, filed n	more than 12 m	os. (6 mos for c	lesign) prior to this
	Filin	lication No g date:				A disting
C.	US I	Provisional	l applications filed witl	nin 12 months pi	rior to this U.S.	. Application
	App Filir	olication No ng date:):			
				LAIM (35 U.S.C.		
or Po and, prio §112 app wou	CT inte insofar applice in applice in ack lication ill consurred be	rnational ar as the subcation(s) in mowledge (namely, sider it impetween the application	pplication(s) designation ject matter of each of the the manner provided the duty to disclose in information where there portant in deciding whe filing date of the prior and	e claims of this a by the first para formation that re is substantial ther to allow the application(s) and	pplication is no graph of Title is material to likelihood that	ited States application(s) that is/are listed below of disclosed in that/those 35, United States Code, the examination of this t a reasonable Examiner issue as a patent) which it PCT international filing
	[x]	No su Such	ich applications have be applications have been	en filed filed, as follows:		
	<u>Se</u>	<u>rial No</u> .	Filing Date	Patented		Abandoned

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I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. P. O. Box 450A Santa Clara, CA 95052. Robert W. Mulcahy Phone# (408) 563-2726

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: Matthew J. Jolley	1. 1 11 200
Inventor's signature: Residence: 15170 NW Perimeter Drive, Beaverton, OR 9709 Post Office Address: 15170 NW Perimeter Drive, Beaverton, OR 9709 Residence: 15170 NW Perimeter Drive, Beaverton, OR 9709	Date: 11 17 18 18 18 18 18 18 18 18 18 18 18 18 18
Country of Citizenship: U.S.A.	
Full name of second inventor: Asher Klatchko	
Inventor's signature:	Date:
Residence: 4324 28 th Avenue, Portland, OR 97202 Post Office Address: 4324 28 th Avenue, Portland, OR 97202	
Country of Citizenship: ISRAEL	



Full name of third inventor:

Date:

Inventor's signature:

18431 Joseph Drive, Castro Valley, CA 94546

Residence: Post Office Address: 18431 Joseph Drive, Castro Valley, CA 94546

County of Citizenship: U.S.A.

(Declaration ends with this page)

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	[]	Such	appli	cations hav	e been filed	as follows:			
Α.	Prior appli	foreig cation,	n/PCT and a	application	on(s) filed claims und	within 12 mos ler 35 U.S.C. §1	s. (6 mos. fo 19	or design) p	rior to this
C	sterr / DC	~Tr		Application	on No	<u>Date Fil</u>	<u>ed</u>	Priority C	Claimed
Cour	ntry/PC	<u>-1</u>						[] Yes [] Yes [] Yes	[] No
В.	All f U.S.	foreign applic	appli ation	cation(s), if	any, filed	more than 12 m	nos. (6 mos fo	r design) pri	or to this
	App Filir	ntry: olication ng date:						(C. Amplicat	ion
C.	US	Provisi	onal a	pplication	s filed with	iin 12 months p	rior to this U	.S. Applicat	1011
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or P and price §112 app woo	CT into , insofa or appli 2, I acl olication uld con urred b	ernation or as the ication(s knowled or (name	nal ap subje s) in t dge th ely, in impo the fi	plication(s) ct matter of he manner ne duty to formation	f each of the provided disclose in where ther	. 11 (1-	application is agraph of Tit is material likelihood th	not disclosed tle 35, Unite to the exam hat a reason to issue as a	d in that/those
	[x	-	lo suc	h applications	ons have be	en filed filed, as follows	:		
	[] 5	uch a	pplications	nave been i			1S	
	S	erial No	<u>)</u> .	Filing Dat	te	Patented			At Jamed
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POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Registration No. 28,041 Michael L. Sherrard Registration No. 25,610 Peter J. Sgarbossa Registration No. 33,217 Donald Verplancken Registration No. 25,226 Lawrence Edelman Registration No. 37,165 Raymond Kam-On Kwong Registration No. 35,412 James C. Wilson Registration No. 37,771 Joseph Bach Registration No. 25,436 Robert W. Mulcahy Registration No. 30,922 Alfred A. Equitz

Send correspondence to:

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Santa Clara, CA 95052.

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		Date:
Inventor's signature: Residence: 15170 NW Perin Post Office Address: 15170 N	neter Drive, Beaverton, OR 97006 NW Perimeter Drive, Beaverton, OR	97006
Country of Citizenship: U.S.A.		
Full name of second inventor: Inventor's signature: Residence: 4324 28 th Aven Post Office Address: 4324 2	Asher Klatchko nue, Portland, OR 97202 28th Avenue, Portland, OR 97202	Date:
Country of Citizenship: ISRAEI	USA (AK)	

Full name of third inventor:

Robert Marc Sills

Inventor's signature:

Date:

Residence:

18431 Joseph Drive, Castro Valley, CA 94546

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	[X]	No such	applications have b	een filed.				
	[]							
A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119								
Count	ry/PC	Γ	Application No	Ī	Date Filed		Priority Cla	imed
							[] Yes [] [] Yes [] [] Yes []	No
В.	B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application						to this	
	Count Appli Filing	cation No	:					
C.	US Provisional applications filed within 12 months prior to this U.S. Application							
		ication No ; date:	:					
PRIORITY CLAIM (35 U.S.C. §120)								
I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.								
	[x]	No suc Such a	th applications have pplications have bee	been filed en filed, as fo	llows:			
	<u>Seria</u>	<u> 1 No</u> .	Filing Date	Patent	ed Pe	_Status_ ending		Abandoned

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Country of Citizenship: ISRAEL	



Full name of third inventor:

Robert Marc Sills

Inventor's signature: Pate 1 Max 46 Residence: 18431 Joseph Drive, Castro Valley, CA 94546 Post Office Address: 18431 Joseph Drive, Castro Valley, CA 94546

Date:) an 25, 2001

County of Citizenship: U.S.A.

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